



California Regional Water Quality Control Board Central Valley Region

Katherine Hart, Chair



Matthew Rodriguez
Secretary for
Environmental Protection

11020 Sun Center Drive, #200, Rancho Cordova, California 95670-6114
(916) 464-3291 • FAX (916) 464-4645
<http://www.waterboards.ca.gov/centralvalley>

Edmund G. Brown Jr.
Governor

7 November 2011

CERTIFIED MAIL
7010 0290 0000 8536 0638

Mr. Dave & Mrs. Carole McConnell
2655 Highway 20
Marysville, CA 95901

NOTICE OF APPLICABILITY - ORDER NO. R5-2003-0044-027, FORMER D&C MARKET, 2757 HIGHWAY 20, MARYSVILLE, YUBA COUNTY

On 12 September 2011, Applied Engineering and Geology, Inc. (AEG) submitted a Report of Waste Discharge (RWD), associated information, and applied for coverage under Waste Discharge Requirements General Order No. R5-2003-0044 (General Order) on your behalf for your site at 2757 Highway 20, Marysville. The RWD and supporting technical information submitted for an on-site discharge of treated groundwater from your facility were determined to be complete on 2 November 2011.

The RWD is in support of a discharge of treated groundwater from a groundwater extraction and treatment system located at your site. The treatment system has been designed to remove petroleum hydrocarbon contaminants from the extracted groundwater. This treated groundwater will then be discharged to land in the cross-gradient flow direction from the existing groundwater contaminant plume on the site.

The General Order includes a Monitoring and Reporting Program (MRP) that prescribes minimum wastewater monitoring requirements including sampling and analytical testing for specific petroleum hydrocarbon constituents in influent, effluent, and monitoring wells. Additional and/or modifications to the MRP are included in the submitted monitoring plan and Additional Requirement section of this Notice of Applicability (NOA).

Based on our review of the information provided, we have determined this project meets the required conditions to be approved under the General Order. All requirements contained in the General Order and/or modified by this NOA are applicable to your project. You are hereby assigned General Order No. R5-2003-0044-027 to regulate the discharge of treated groundwater at the Former D&C Market site.

PROJECT LOCATION

The Former D&C Market site is at 2757 Highway 20, Marysville, California. The legal description for the site is: Assessor's Parcel Number 006-090-062, Latitude 39.2022°N, Longitude 121.5175°W.

California Environmental Protection Agency

PROJECT DESCRIPTION

The Former D&C Market site is currently a garden supply store that no longer dispenses vehicle fuel. In September 1992, two underground storage tanks (USTs) and associated dispensers were removed. Soil samples from beneath the removed USTs contained elevated concentrations of petroleum hydrocarbon contamination and subsequent investigations detected petroleum hydrocarbons in soil and groundwater. In 1994 and from 2006 to 2007, numerous soil borings and six groundwater monitoring wells were installed at the site and sampled for hydrocarbon contamination. Based on investigative results, Central Valley Water Quality Control Board (Central Valley Water Board) staff requested the responsible party to implement remedial measures to clean up the identified contaminant plume. The corrective action plan proposes groundwater remediation utilizing dual-phase extraction technology, which requires the General Order from the Central Valley Water Board to discharge treated groundwater to land.

The Former D&C Market will extract contaminated groundwater from two wells and pass it through an ozone tank and four 2,000-lb in-line activated carbon canisters for hydrocarbon stripping prior to being reappplied to the subsurface through a dedicated application well cross-gradient of the existing contaminant plume. Analytical testing will be performed on the untreated influent and the treated effluent before it is discharged to subsurface. There are no surface waters associated with this project.

ADDITIONAL REQUIREMENTS

1. The Former D&C Market shall obtain and analyze influent and effluent groundwater samples at 8 and 72 hours after treatment system startup. Samples are to be collected and analyzed in accordance with locations and frequencies directed in the General Order and MRP. Pesticides are waived from the sampling and reporting requirements because they were not detected in previous sampling of the groundwater.
2. The required annual fee (as specified in the annual billing invoice to be issued by the State Water Resources Control Board) shall be submitted until this NOA is officially withdrawn.

If you have any questions regarding this NOA, please contact Michael Smith at (916) 464-4728.

Original Signed

PAMELA C. CREEDON
Executive Officer

Enclosure: General Order R5-2003-0044

cc: w/ encl: Mr. David Saovang, Applied Engineering and Geology, Inc., Lincoln
cc: w/o encl: U.S. Environmental Protection Agency, Sacramento
California Dept. of Fish and Game, Rancho Cordova
Mr. Clark Pickell, Yuba County Environmental Department, Marysville